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Amendments to Claims

The Examiner has allowed claims 1-29 and 33, and has rejected claims 30-32.

Please cancel claims 30-32, without prejudice, as follows:

1. (Original) An electrical stimulator system for augmenting recovery from muscle denervation, the electrical stimulator system comprising: a first electrode adjacent a proximal stump of a nerve and for emitting a signal having at least one variable parameter; a second electrode providing a return path for the signal; an electronic assembly for generating the signal; the first electrode, the second electrode, and the electronic assembly being positioned within the body; and said signal propagating through electrically conductive tissues of the body and evoking an action potential in at least one motor axon, the motor axon regenerating from the proximal stump, so as to augment recovery from muscle denervation.

2. (Original) The electrical stimulator system according to claim 1, wherein one of the electrodes stores energy by capacitive means.

3. (Original) The electrical stimulator system according to claim 1 further comprising: an electronic programmer for programming variable parameters; a controller having an input connected to the output of the electronic programmer, and supplying a command signal at its output to an inductive coupling; and said at least one of the variable parameters being included in the command signal.

4. (Original) The electrical stimulator system according to claim 1, wherein the signal is a current.

5. (Original) The electrical stimulator system according to claim 2, wherein the first electrode is a tantalum capacitor electrode.

6. (Original) The electrical stimulator system according to claim 1, wherein the second electrode is made of iridium.

7. (Original) The electrical stimulator system according to claim 1, wherein the second electrode maintains a neutral polarization relative to the first electrode.